

Docket No. 030186U2

Serial No. 10/770,878

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A method for authenticating an application run on a mobile station, including:
 - a. attempting to run an Location Based Service (LBS) application on the mobile station;
 - b. requesting authentication of the LBS application;
 - c. communicating directly with a mobile positioning center (MPC) in order to have the MPC fulfill the request for authentication of the LBS application;
 - d. if the application is authenticated, then receiving within the mobile station information required to continue running the LBS application in response to the application being authenticated; and
 - e. if the application is not authenticated, then failing to receive at least some information required to run the LBS application in response to the LBS application not being authenticated.
2. (Currently Amended) The method of Claim 1, further including:
 - a. if the LBS application has not be authenticated, receiving a response message indicating that authentication failed; and
 - b. in response to receipt of the response message, halting the LBS application.
3. (Currently Amended) The method of Claim 1 wherein the LBS application that is attempted to run on the mobile station requires authentication from the MPC in order to receive all required information.
4. (Currently Amended) The method of Claim 1, wherein the authentication of the LBS application to be run on the mobile station is independent of other authentication operations to be requested by the mobile station for the purpose of authenticating telephone communication.
5. (Currently Amended) The method of Claim 4, wherein the authentication of the LBS application to be run is further independent of other authentication operations to be requested in order to authenticate other applications.
6. (Currently Amended) The method of Claim 3, wherein the authentication of the LBS application by the MPC allows the mobile station to communicate with other components.

Docket No. 030186U2

Serial No. 10/770,878

7. (Original) The method of Claim 6, wherein the other components include a position determination entity.

8. (New) A mobile station configured to authenticate Location Based Service (LBS) applications, the mobile station comprising:

a processor configured to execute the LBS application; and

a position location engine coupled to the processor and invoked by the LBS application, the position location engine configured to communicate a request for positioning to a Mobile Positioning Center (MPC) and receive from the MPC a position process response message in response to the request for positioning, the position location engine determining a location of the mobile station when the position process response message indicates the LBS application is authenticated.

9. (New) The mobile station of Claim 8, wherein the position location engine is further configured to provide the location of the mobile station to the LBS application when the LBS application is authenticated.

10. (New) The mobile station of Claim 8, wherein the position process response message comprises a positioning status message that indicates a method used to calculate the location of the mobile station.

11. (New) The mobile station of Claim 8, wherein the request for positioning comprises an application indicator configured to identify the LBS application.

12. (New) The mobile station of Claim 8, wherein the position location engine is further configured to initiate a mobile originated position location session in response to receiving the position process response message.